SEQUENCE LISTING

<110> Lu, Peter S.
Rabinowitz, Joshua D.
Schweizer, Johannes
Arbor Vita Corporation

<120> Molecular Interactions in Hematopoietic Cells

<130> 020054-001110US

<140> US 09/688,017
<141> 2001-10-13

<150> US 60/134,114
<151> 1999-05-14

<150> US 60/134,117
<151> 1999-05-14

<150> US 60/134,118
<151> 1999-05-14

<150> US 60/160,860
<151> 1999-10-21

<150> US 60/162,498
<151> 1999-10-29

A31

<150> US 60/170,453
<151> 1999-12-13

<150> US 60/176,195
<151> 2000-01-14

<150> US 60/182,296
<151> 2000-02-14

<150> US 60/196,267
<151> 2000-04-11

<150> US 60/196,460
<151> 2000-04-11

<150> US 60/196,527
<151> 2000-04-11

<150> US 60/196,528
<151> 2000-04-11

<160> 383

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> flexible polylinker

<400> 1
Gly Gly Gly Gly Ser
1 5

<210> 2
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> linker

<400> 2
Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Val Asp
1 5 10

<210> 3
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> linker

<400> 3
Lys Glu Ser Gly Ser Val Ser Ser Glu Gln Leu Ala Gln Phe Arg Ser
1 5 10 15
Leu Asp

A31

<210> 4
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal
core sequence of CD3

<400> 4
Ser Ser Gln Leu
1

<210> 5
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal
sequence of CD3

<400> 5
Ser Ser Ser Gln Leu
1 5

<210> 6
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD3

<400> 6
Ser Ser Ser Ser Gln Leu
1 5

<210> 7
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD3

<400> 7
Pro Ser Ser Ser Ser Gln Leu
1 5

<210> 8
<211> 8
<212> PRT
<213> Artificial Sequence

A31

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD3

<400> 8
Pro Pro Ser Ser Ser Ser Gln Leu
1 5

<210> 9
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD4

<400> 9
Cys Ser Pro Ile
1

<210> 10
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD4

<400> 10
Thr Cys Ser Pro Ile
1 5

<210> 11
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD4

<400> 11
Lys Thr Cys Ser Pro Ile
1 5

<210> 12
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD4

<400> 12
Gln Lys Thr Cys Ser Pro Ile
1 5

A31

<210> 13
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD4

<400> 13
Phe Gln Lys Thr Cys Ser Pro Ile
1 5

<210> 14
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD6

<400> 14
Ile Ser Ala Ala
1

<210> 15
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD6

<400> 15
Asp Ile Ser Ala Ala
1 5

<210> 16
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD6

<400> 16
Asp Asp Ile Ser Ala Ala
1 5

<210> 17
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD6

A31

<400> 17
Tyr Asp Asp Ile Ser Ala Ala
1 5

<210> 18
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD6

<400> 18
Asp Tyr Asp Asp Ile Ser Ala Ala
1 5

<210> 19
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD38

<400> 19
Thr Ser Glu Ile
1

<210> 20
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD38

<400> 20
Cys Thr Ser Glu Ile
1 5

<210> 21
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD38

<400> 21
Ser Cys Thr Ser Glu Ile
1 5

<210> 22
<211> 7
<212> PRT
<213> Artificial Sequence

A31

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD38

<400> 22
Ser Ser Cys Thr Ser Glu Ile
1 5

<210> 23
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD38

<400> 23
Asp Ser Ser Cys Thr Ser Glu Ile
1 5

<210> 24
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD49e and CD49f

<400> 24
Thr Ser Asp Ala
1

<210> 25
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD49e

<400> 25
Ala Thr Ser Asp Ala
1 5

<210> 26
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD49e

<400> 26
Pro Ala Thr Ser Asp Ala
1 5

A31

<210> 27
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD49e

<400> 27
Pro Pro Ala Thr Ser Asp Ala
1 5

<210> 28
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD49e

<400> 28
Lys Pro Pro Ala Thr Ser Asp Ala
1 5

<210> 29
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PDZ domain signature sequence repeat

<400> 29
Gly Leu Gly Phe
1

<210> 30
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD49f

<400> 30
Leu Thr Ser Asp Ala
1 5

<210> 31
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD49f

<400> 31
Arg Leu Thr Ser Asp Ala
1 5

A31

<210> 32
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD49f

<400> 32
Glu Arg Leu Thr Ser Asp Ala
1 5

<210> 33
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD49f

<400> 33
Lys Glu Arg Leu Thr Ser Asp Ala
1 5

<210> 34
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD53

<400> 34
Thr Ile Gly Leu
1

<210> 35
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD53

<400> 35
Gln Thr Ile Gly Leu
1 5

<210> 36
<211> 6
<212> PRT
<213> Artificial Sequence

A31

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD53

<400> 36
Ser Gln Thr Ile Gly Leu
1 5

<210> 37
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD53

<400> 37
Thr Ser Gln Thr Ile Gly Leu
1 5

<210> 38
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD53

<400> 38
Lys Thr Ser Gln Thr Ile Gly Leu
1 5

<210> 39
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD90

<400> 39
Phe Met Ser Leu
1

<210> 40
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD90

<400> 40
Asp Phe Met Ser Leu
1 5

A31

<210> 41
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD90

<400> 41
Thr Asp Phe Met Ser Leu
1 5

<210> 42
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD90

<400> 42
Ala Thr Asp Phe Met Ser Leu
1 5

<210> 43
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD90

<400> 43
Gln Ala Thr Asp Phe Met Ser Leu
1 5

<210> 44
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD95

<400> 44
Gln Ser Leu Val
1

<210> 45
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD95

<400> 45
Ile Gln Ser Leu Val
1 5

<210> 46
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD95

<400> 46
Glu Ile Gln Ser Leu Val
1 5

<210> 47
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD95

<400> 47
Asn Glu Ile Gln Ser Leu Val
1 5

<210> 48
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD95 .

<400> 48
Arg Asn Glu Ile Gln Ser Leu Val
1 5

<210> 49
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD97

<400> 49
Glu Ser Gly Ile
1

<210> 50
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD97

<400> 50
Ser Glu Ser Gly Ile
1 5

<210> 51
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD97

<400> 51
Ala Ser Glu Ser Gly Ile
1 5

<210> 52
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD97

<400> 52
Arg Ala Ser Glu Ser Gly Ile
1 5

<210> 53
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD97

<400> 53
Leu Arg Ala Ser Glu Ser Gly Ile
1 5

<210> 54
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD98

<400> 54
Pro Tyr Ala Ala
1

<210> 55
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD98

<400> 55
Phe Pro Tyr Ala Ala
1 5

<210> 56
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD98

<400> 56
Arg Phe Pro Tyr Ala Ala
1 5

<210> 57
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD98

<400> 57
Leu Arg Phe Pro Tyr Ala Ala
1 5

<210> 58
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD98

<400> 58
Leu Leu Arg Phe Pro Tyr Ala Ala
1 5

<210> 59
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CDw137

<400> 59
Gly Cys Glu Leu
1

<210> 60
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw137

<400> 60
Gly Gly Cys Glu Leu
1 5

<210> 61
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw137

<400> 61
Glu Gly Gly Cys Glu Leu
1 5

<210> 62
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw137

<400> 62
Glu Glu Gly Gly Cys Glu Leu
1 5

<210> 63
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw137

<400> 63
Glu Glu Glu Gly Gly Cys Glu Leu
1 5

<210> 64
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD166

<400> 64
Lys Thr Glu Ala
1

<210> 65
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD166

<400> 65
His Lys Thr Glu Ala
1 5

<210> 66
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD166

<400> 66
Asn His Lys Thr Glu Ala
1 5

<210> 67
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD166

<400> 67
Asn Asn His Lys Thr Glu Ala
1 5

<210> 68
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD166

<400> 68
Glu Asn Asn His Lys Thr Glu Ala
1 5

<210> 69
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CDw128

<400> 69
Ser Ser Asn Leu
1

<210> 70
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw128

<400> 70
Val Ser Ser Asn Leu
1 5

<210> 71
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw128

<400> 71
Asn Val Ser Ser Asn Leu
1 5

<210> 72
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw128

<400> 72
Val Asn Val Ser Ser Asn Leu
1 5

<210> 73
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw128

<400> 73
Ser Val Asn Val Ser Ser Asn Leu
1 5

<210> 74
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of DNAM-1

<400> 74
Lys Thr Arg Val
1

<210> 75
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of DNAM-1

<400> 75
Pro Lys Thr Arg Val
1 5

<210> 76
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of DNAM-1

<400> 76
Arg Pro Lys Thr Arg Val
1 5

<210> 77
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of DNAM-1

<400> 77
Arg Arg Pro Lys Thr Arg Val
1 5

<210> 78
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of DNAM-1

<400> 78
Ser Arg Arg Pro Lys Thr Arg Val
1 5

<210> 79
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of FasL

<400> 79
Leu Tyr Lys Leu
1

<210> 80
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of FasL

<400> 80
Gly Leu Tyr Lys Leu
1 5

<210> 81
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of FasL

<400> 81
Phe Gly Leu Tyr Lys Leu
1 5

<210> 82
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of FasL

<400> 82
Phe Phe Gly Leu Tyr Lys Leu
1 5

<210> 83
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of FasL, competitor peptide

<400> 83
Thr Phe Phe Gly Leu Tyr Lys Leu
1 5

<210> 84
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of LPAP

<400> 84
Val Thr Ala Leu
1

<210> 85
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of LPAP

<400> 85
His Val Thr Ala Leu
1 5

<210> 86
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of LPAP

<400> 86
Leu His Val Thr Ala Leu
1 5

<210> 87
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of LPAP

<400> 87
Gly Leu His Val Thr Ala Leu
1 5

<210> 88
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of LPAP

<400> 88
Gln Gly Leu His Val Thr Ala Leu
1 5

<210> 89
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD138 and syndecan-2

<400> 89
Glu Phe Tyr Ala
1

<210> 90
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD138

<400> 90
Glu Glu Phe Tyr Ala
1 5

<210> 91
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD138

<400> 91
Gln Glu Glu Phe Tyr Ala
1 5

<210> 92
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD138

<400> 92
Lys Gln Glu Glu Phe Tyr Ala
1 5

<210> 93
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD138

<400> 93
Thr Lys Gln Glu Glu Phe Tyr Ala
1 5

<210> 94
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CDw125

<400> 94
Asp Ser Val Phe
1

<210> 95
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw125

<400> 95
Glu Asp Ser Val Phe
1 5

<210> 96
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw125

<400> 96
Leu Glu Asp Ser Val Phe
1 5

<210> 97
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw125

<400> 97
Thr Leu Glu Asp Ser Val Phe
1 5

<210> 98
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CDw125

<400> 98
Glu Thr Leu Glu Asp Ser Val Phe
1 5

<210> 99
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD56

<400> 99
Glu Ser Lys Ala
1

<210> 100
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD56

<400> 100
Asn Glu Ser Lys Ala
1 5

<210> 101
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD56

<400> 101
Glu Asn Glu Ser Lys Ala
1 5

<210> 102
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD56

<400> 102
Lys Glu Asn Glu Ser Lys Ala
1 5

<210> 103
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD56

<400> 103
Thr Lys Glu Asn Glu Ser Lys Ala
1 5

<210> 104
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD44

<400> 104
Lys Ile Gly Val
1

<210> 105
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD44

<400> 105
Met Lys Ile Gly Val
1 5

<210> 106
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD44

<400> 106
Asp Met Lys Ile Gly Val
1 5

<210> 107
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD44

<400> 107
Val Asp Met Lys Ile Gly Val
1 5

<210> 108
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD44

<400> 108
Asn Val Asp Met Lys Ile Gly Val
1 5

<210> 109
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD46

<400> 109
Phe Thr Ser Leu
1

<210> 110
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD46

<400> 110
Lys Phe Thr Ser Leu
1 5

<210> 111
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD46

<400> 111
Val Lys Phe Thr Ser Leu
1 5

<210> 112
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD46

<400> 112
Glu Val Lys Phe Thr Ser Leu
1 5

<210> 113
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD46, competitor peptide

<400> 113
Arg Glu Val Lys Phe Thr Ser Leu
1 5

<210> 114
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD61

<400> 114
Lys Ser Leu Val
1

<210> 115
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD61

<400> 115
Leu Lys Ser Leu Val
1 5

<210> 116
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD61

<400> 116
Phe Leu Lys Ser Leu Val
1 5

<210> 117
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD61

<400> 117
Arg Phe Leu Lys Ser Leu Val
1 5

<210> 118
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD61

<400> 118
Gly Arg Phe Leu Lys Ser Leu Val
1 5

<210> 119
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD148

<400> 119
Gly Tyr Ile Ala
1

<210> 120
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD148

<400> 120
Asn Gly Tyr Ile Ala
1 5

<210> 121
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD148

<400> 121
Thr Asn Gly Tyr Ile Ala
1 5

<210> 122
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD148

<400> 122
Lys Thr Asn Gly Tyr Ile Ala
1 5

<210> 123
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD148

<400> 123
Gly Lys Thr Asn Gly Tyr Ile Ala
1 5

<210> 124
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of Ly-6

<400> 124
Gln Thr Leu Leu
1

<210> 125
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of Ly-6

<400> 125
Leu Gln Thr Leu Leu
1 5

<210> 126
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of Ly-6

<400> 126
Leu Leu Gln Thr Leu Leu
1 5

<210> 127
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of Ly-6

<400> 127
Val Leu Leu Gln Thr Leu Leu
1 5

<210> 128
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of Ly-6

<400> 128
Ser Val Leu Leu Gln Thr Leu Leu
1 5

<210> 129
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of FcepsilonRIbeta

<400> 129
Pro Ile Asp Leu
1

<210> 130
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of FcepsilonRIbeta

<400> 130
Pro Pro Ile Asp Leu
1 5

<210> 131
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of FcepsilonRIbeta

<400> 131
Ser Pro Pro Ile Asp Leu
1 5

<210> 132
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of FcepsilonRIbeta

<400> 132
Met Ser Pro Pro Ile Asp Leu
1 5

<210> 133
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of FcepsilonRIbeta

<400> 133
Glu Met Ser Pro Pro Ile Asp Leu
1 5

<210> 134
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of galectin 3

<400> 134
Tyr Thr Met Ile
1

<210> 135
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of galectin 3

<400> 135
Ser Tyr Thr Met Ile
1 5

<210> 136
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of galection 3

<400> 136
Ala Ser Tyr Thr Met Ile
1 5

<210> 137
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of galectin 3

<400> 137
Ser Ala Ser Tyr Thr Met Ile
1 5

<210> 138
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of galectin 3

<400> 138
Thr Ser Ala Ser Tyr Thr Met Ile
1 5

<210> 139
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of mannose receptor

<400> 139
His Ser Val Ile
1

<210> 140
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of mannose receptor

<400> 140
Glu His Ser Val Ile
1 5

<210> 141
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of mannose receptor

<400> 141
Asn Glu His Ser Val Ile
1 5

<210> 142
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of mannose receptor

<400> 142
Gln Asn Glu His Ser Val Ile
1 5

<210> 143
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of mannose receptor

<400> 143
Glu Gln Asn Glu His Ser Val Ile
1 5

<210> 144
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of G-CSFR

<400> 144
Thr Ser Val Leu
1

<210> 145
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of G-CSFR

<400> 145
Ile Thr Ser Val Leu
1 5

<210> 146
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of G-CSFR

<400> 146
Pro Ile Thr Ser Val Leu
1 5

<210> 147
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of G-CSFR

<400> 147
Phe Pro Ile Thr Ser Val Leu
1 5

<210> 148
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of G-CSFR

<400> 148
Leu Phe Pro Ile Thr Ser Val Leu
1 5

<210> 149
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD34

<400> 149
Asp Thr Glu Leu
1

<210> 150
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD34

<400> 150
Ala Asp Thr Glu Leu
1 5

<210> 151
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD34

<400> 151
Val Ala Asp Thr Glu Leu
1 5

<210> 152
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD34

<400> 152
Val Val Ala Asp Thr Glu Leu
1 5

<210> 153
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD34

<400> 153
His Val Val Ala Asp Thr Glu Leu
1 5

<210> 154
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD66b and CD66c

<400> 154
Val Ala Leu Ile
1

<210> 155
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD66b and CD66c

<400> 155
Arg Val Ala Leu Ile
1 5

<210> 156
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD66b and CD66c

<400> 156
Ala Arg Val Ala Leu Ile
1 5

<210> 157
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD66b and CD66c

<400> 157
Leu Ala Arg Val Ala Leu Ile
1 5

<210> 158
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD66b and CD66c

<400> 158
Val Leu Ala Arg Val Ala Leu Ile
1 5

<210> 159
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD105

<400> 159
Ser Ser Met Ala
1

<210> 160
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD105

<400> 160
Thr Ser Ser Met Ala
1 5

<210> 161
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD105

<400> 161
Ser Thr Ser Ser Met Ala
1 5

<210> 162
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD105

<400> 162
Pro Cys Ser Thr Ser Ser Met Ala
1 5

<210> 163
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD106

<400> 163
Lys Ser Lys Val
1

<210> 164
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD106

<400> 164
Gln Lys Ser Lys Val
1 5

<210> 165
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD106

<400> 165
Ala Gln Lys Ser Lys Val
1 5

<210> 166
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD106

<400> 166
Glu Ala Gln Lys Ser Lys Val
1 5

<210> 167
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD106

<400> 167
Val Glu Ala Gln Lys Ser Lys Val
1 5

<210> 168
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD62e

<400> 168
Ser Tyr Ile Leu
1

<210> 169
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD62e

<400> 169
Pro Ser Tyr Ile Leu
1 5

<210> 170
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD62e

<400> 170
Lys Pro Ser Tyr Ile Leu
1 5

<210> 171
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD62e

<400> 171
Gln Lys Pro Ser Tyr Ile Leu
1 5

<210> 172
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD62e

<400> 172
Tyr Gln Lys Pro Ser Tyr Ile Leu
1 5

<210> 173
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> truncated HIV tat peptide

<400> 173
Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly
1 5 10

<210> 174
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Tat-CD3 carboxyl terminus fusion peptide

<400> 174
Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Pro Pro Ser
1 5 10 15
Ser Ser Ser Gly Leu
20

<210> 175
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Tat-CLASP1 carboxyl terminus fusion peptide

<400> 175
Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Ser Ile Ser
1 5 10 15
Ser Ser Ala Glu Val
20

<210> 176
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Tat-CLASP2 carboxyl terminus fusion peptide

<400> 176
Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Met Thr Ser
1 5 10 15
Ser Ser Ser Val Val
20

<210> 177
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA1L Clasp-1 PL peptide

<400> 177
Ile Ser Lys Ala Thr Pro Ala Leu Pro Thr Val Ser Ile Ser Ser Ser
1 5 10 15
Ala Glu Val

<210> 178
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA2L Clasp-2 PL peptide

<400> 178
Ile Ser Gly Thr Pro Thr Ser Thr Met Val His Gly Met Thr Ser Ser
1 5 10 15
Ser Ser Val Val
20

<210> 179
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA3L Clasp-4 PL peptide

<400> 179
Cys Ala Ile Ser Gly Thr Ser Ser Asp Arg Gly Tyr Gly Ser Pro Arg
1 5 10 15
Tyr Ala Glu Val
20

<210> 180
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA4L CD3eta PL peptide

<400> 180
Ser Val Phe Ser Ile Pro Thr Leu Trp Ser Pro Trp Pro Pro Ser Ser
1 5 10 15
Ser Ser Gln Leu
20

<210> 181
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA5L-M CD4 PL peptide

<400> 181
Ser Glu Lys Lys Thr Ser Gln Ser Pro His Arg Phe Gln Lys Thr Cys
1 5 10 15
Ser Pro Ile

<210> 182
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> AA6L CD6 PL peptide

<400> 182
Ser Pro Gln Pro Asp Ser Thr Asp Asn Asp Asp Tyr Asp Asp Ile Ser
1 5 10 15
Ala Ala

<210> 183
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA7L CD34 PL peptide

<400> 183
Gln Ala Thr Ser Arg Asn Gly His Ser Ala Arg Gln His Val Val Ala
1 5 10 15
Asp Thr Glu Leu
20

<210> 184
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA9L CD44 PL peptide

<400> 184
Gln Phe Met Thr Ala Asp Glu Thr Arg Asn Leu Gln Asn Val Asp Met
1 5 10 15
Lys Ile Gly Val
20

<210> 185
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA10L CD46 (form 1) PL peptide

<400> 185
Lys Lys Gly Thr Tyr Leu Thr Asp Glu Thr His Arg Glu Val Lys Phe
1 5 10 15
Thr Ser Leu

<210> 186
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA11L CD49e PL peptide

<400> 186
Pro Tyr Gly Thr Ala Met Glu Lys Ala Gln Leu Lys Pro Pro Ala Thr
1 5 10 15
Ser Asp Ala

<210> 187
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA12L CD49f PL peptide

<400> 187
His Lys Ala Glu Ile His Ala Gln Pro Ser Asp Lys Glu Arg Leu Thr
1 5 10 15
Ser Asp Ala

<210> 188
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA13L CD95 PL peptide

<400> 188
Lys Asp Ile Thr Ser Asp Ser Glu Asn Ser Asn Phe Arg Asn Glu Ile
1 5 10 15
Gln Ser Leu Val
20

<210> 189
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA14L CD97 PL peptide

<400> 189
Thr Ser Gly Thr Gly His Asn Gln Thr Arg Ala Leu Arg Ala Ser Glu
1 5 10 15
Ser Gly Ile

<210> 190
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA15L CD98 PL peptide

<400> 190
Glu Arg Leu Lys Leu Glu Pro His Glu Gly Leu Leu Leu Arg Phe Pro
1 5 10 15
Tyr Ala Ala

<210> 191
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA16L CD105 PL peptide

<400> 191
Ser Thr Asn His Ser Ile Gly Ser Thr Gln Ser Thr Pro Cys Ser Thr
1 5 10 15
Ser Ser Met Ala
20

<210> 192
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA17L VCAM1 PL peptide

<400> 192
Ala Arg Lys Ala Asn Met Lys Gly Ser Tyr Ser Leu Val Glu Ala Gln
1. 5 10 15
Lys Ser Lys Val
20

<210> 193
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA18L CD138 PL peptide

<400> 193
Pro Lys Gln Ala Asn Gly Gly Ala Tyr Gln Lys Pro Thr Lys Gln Glu
1 5 10 15
Glu Phe Tyr Ala
20

<210> 194
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> AA19L CD148 PL peptide

<400> 194
Glu Asn Leu Ala Pro Val Thr Thr Phe Gly Lys Thr Asn Gly Tyr Ile
1 5 10 15
Ala

<210> 195
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA20L CD166 PL peptide

<400> 195
Asp Leu Gly Asn Met Glu Glu Asn Lys Lys Leu Glu Glu Asn Asn His
1 5 10 15
Lys Thr Glu Ala
20

<210> 196
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA22L DNAM-1 PL peptide

<400> 196
Thr Arg Glu Asp Ile Tyr Val Asn Tyr Pro Thr Phe Ser Arg Arg Pro
1 5 10 15
Lys Thr Arg Val
20

<210> 197
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA23L-M FasL PL peptide

<400> 197
Ser Ser Lys Ser Lys Ser Ser Glu Glu Ser Gln Thr Phe Phe Gly Leu
1 5 10 15
Tyr Lys Leu

<210> 198
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA25L FcepsilonRIbeta PL peptide

<400> 198
Tyr Ser Ala Thr Tyr Ser Glu Leu Glu Asp Pro Gly Glu Met Ser Pro
1 5 10 15
Pro Ile Asp Leu
20

<210> 199
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA28L CDw125 (IL5R) PL peptide

<400> 199
Glu Val Ile Cys Tyr Ile Glu Lys Pro Gly Val Glu Thr Leu Glu Asp
1 5 10 15
Ser Val Phe

<210> 200
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA29.1L CDw128A (IL8RA) PL peptide

<400> 200
Ala Arg His Arg Val Thr Ser Tyr Thr Ser Ser Ser Val Asn Val Ser
1 5 10 15
Ser Asn Leu

<210> 201
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA29.2L CD128B (IL8RB) PL peptide

<400> 201
Lys Asp Ser Arg Pro Ser Phe Val Gly Ser Ser Ser Gly His Thr Ser
1 5 10 15
Thr Thr Leu

<210> 202
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA30L LPAP PL peptide

<400> 202
Ala Trp Asp Asp Ser Ala Arg Ala Ala Gly Gly Gln Gly Leu His Val
1 5 10 15
Thr Ala Leu

<210> 203
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA33L KV1.3 PL peptide

<400> 203
Thr Thr Asn Asn Asn Pro Asn Ser Ala Val Asn Ile Lys Lys Ile Phe
1 5 10 15
Thr Asp Val

<210> 204
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA34.2L NMDA PL peptide

<400> 204
Leu Asn Ser Cys Ser Asn Arg Arg Val Tyr Lys Lys Met Pro Ser Ile
1 5 10 15
Glu Ser Asp Val
20

<210> 205
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA37L Glycophorin C PL peptide

<400> 205
Gln Gly Asp Pro Ala Leu Gln Asp Ala Gly Asp Ser Ser Arg Lys Glu
1 5 10 15
Tyr Phe Ile

<210> 206
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA38L Neurexin PL peptide

<400> 206
Ser Ser Ala Lys Ser Ser Asn Lys Asn Lys Lys Asn Lys Asp Lys Glu
1 5 10 15
Tyr Tyr Val

<210> 207
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA39L Syndecan-2 PL peptide

<400> 207
Gly Glu Arg Lys Pro Ser Ser Ala Ala Tyr Gln Lys Ala Pro Thr Lys
1 5 10 15
Glu Phe Tyr Ala
20

<210> 208
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA40L DOCK2 PL peptide

<400> 208
Leu Ala Ser Lys Ser Ala Glu Glu Gly Lys Gln Ile Pro Asp Ser Leu
1 5 10 15
Ser Thr Asp Leu
20

<210> 209
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA41L CC CKR-1R PL peptide

<400> 209
Leu Glu Arg Val Ser Ser Thr Ser Pro Ser Thr Gly Glu His Glu Leu
1 5 10 15
Ser Ala Gly Phe
20

<210> 210
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA42L CC CKR-2 PL peptide

<400> 210
Gly Lys Gly Lys Ser Ile Gly Arg Ala Pro Glu Ala Ser Leu Gln Asp
1 5 10 15
Lys Glu Gly Ala
20

<210> 211
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA43L CC CKR-3 PL peptide

<400> 211
Leu Glu Arg Thr Ser Ser Val Ser Pro Ser Thr Ala Glu Pro Glu Leu
1 5 10 15
Ser Ile Val Phe
20

<210> 212
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA44L CC CKR-4 PL peptide

<400> 212
Asp Thr Pro Ser Ser Ser Tyr Thr Gln Ser Thr Met Asp His Asp Leu
1 5 10 15
His Asp Ala Leu
20

<210> 213
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA45L BLR-1 PL peptide

<400> 213
Pro Ser Trp Arg Arg Ser Ser Leu Ser Glu Ser Glu Asn Ala Thr Ser
1 5 10 15
Leu Thr Thr Phe
20

<210> 214
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA47L CD83 PL peptide

<400> 214
Val Thr Ser Pro Asn Lys His Leu Gly Leu Val Thr Pro His Lys Thr
1 5 10 15
Glu Leu Val

<210> 215
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> AA48L CD62e PL peptide

<400> 215
Ser Ser Ser Gln Ser Leu Glu Ser Asp Gly Ser Tyr Gln Lys Pro Ser
1 5 10 15
Tyr Ile Leu

<210> 216
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> AA49L CD5 PL peptide

<400> 216
Ser Met Gln Pro Asp Asn Ser Ser Asp Ser Asp Tyr Asp Leu His Gly
1 5 10 15
Ala Gln Arg Leu
20

<210> 217
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> AA55L CD148 PL peptide

<400> 217
Thr Ile Tyr Glu Asn Leu Ala Pro Val Thr Thr Phe Gly Lys Thr Ile
1 5 10 15
Ala

<210> 218
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CLASP-1

<400> 218
Ser Ala Gln Val
1

<210> 219
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-1

<400> 219
Ser Ser Ala Gln Val
1 5

<210> 220
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-1

<400> 220
Ser Ser Ser Ala Gln Val
1 5

<210> 221
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-1

<400> 221
Ile Ser Ser Ser Ala Gln Val
1 5

<210> 222
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-1

<400> 222
Ser Ile Ser Ser Ser Ala Gln Val
1 5

<210> 223
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CLASP-2

<400> 223
Ser Ser Val Val
1

<210> 224
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-2

<400> 224
Ser Ser Ser Val Val
1 5

<210> 225
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-2

<400> 225
Ser Ser Ser Ser Val Val
1 5

<210> 226
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-2

<400> 226
Thr Ser Ser Ser Ser Val Val
1 5

<210> 227
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-2, competitor peptide

<400> 227
Met Thr Ser Ser Ser Ser Val Val
1 5

<210> 228
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CLASP-4

<400> 228
Tyr Ala Glu Val
1

<210> 229
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-4

<400> 229
Arg Tyr Ala Glu Val
1 5

<210> 230
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-4

<400> 230
Pro Arg Tyr Ala Glu Val
1 5

<210> 231
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-4

<400> 231
Ser Pro Arg Tyr Ala Glu Val
1 5

<210> 232
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CLASP-4

<400> 232
Gly Ser Pro Arg Tyr Ala Glu Val
1 5

<210> 233
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of IL-8RB

<400> 233
Ser Thr Thr Leu
1

<210> 234
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of IL-8RB

<400> 234
Thr Ser Thr Thr Leu
1 5

<210> 235
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of IL-8RB

<400> 235
His Thr Ser Thr Thr Leu
1 5

<210> 236
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of IL-8RB

<400> 236
Gly His Thr Ser Thr Thr Leu
1 5

<210> 237
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of IL-8RB

<400> 237
Ser Gly His Thr Ser Thr Thr Leu
1 5

<210> 238
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of KV1.3

<400> 238
Phe Thr Asp Val
1

<210> 239
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of KV1.3

<400> 239
Ile Phe Thr Asp Val
1 5

<210> 240
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of KV1.3

<400> 240
Lys Ile Phe Thr Asp Val
1 5

<210> 241
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of KV1.3

<400> 241
Lys Lys Ile Phe Thr Asp Val
1 5

<210> 242
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of KV1.3

<400> 242
Ile Lys Lys Ile Phe Thr Asp Val
1 5

<210> 243
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of DOCK2

<400> 243
Ser Thr Asp Leu
1

<210> 244
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of DOCK2

<400> 244
Leu Ser Thr Asp Leu
1 5

<210> 245
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of DOCK2

<400> 245
Ser Leu Ser Thr Asp Leu
1 5

<210> 246
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of DOCK2

<400> 246
Asp Ser Leu Ser Thr Asp Leu
1 5

<210> 247
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of DOCK2

<400> 247
Pro Asp Ser Leu Ser Thr Asp Leu
1 5

<210> 248
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD83

<400> 248
Thr Glu Leu Val
1

<210> 249
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD83

<400> 249
Lys Thr Glu Leu Val
1 5

<210> 250
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD83

<400> 250
His Lys Thr Glu Leu Val
1 5

<210> 251
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD83

<400> 251
Pro His Lys Thr Glu Leu Val
1 5

<210> 252
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD83

<400> 252
Thr Pro His Lys Thr Glu Leu Val
1 5

<210> 253
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of BLR-1

<400> 253
Leu Thr Thr Phe
1

<210> 254
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of BLR-1

<400> 254
Ser Leu Thr Thr Phe
1 5

<210> 255
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of BLR-1

<400> 255
Thr Ser Leu Thr Thr Phe
1 5

<210> 256
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of BLR-1

<400> 256
Ala Thr Ser Leu Thr Thr Phe
1 5

<210> 257
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of BLR-1

<400> 257
Asn Ala Thr Ser Leu Thr Thr Phe
1 5

<210> 258
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> linker region between glutathione-S transferase (GST) and PDZ domain in GST-PDZ fusion protein

<400> 258
Gly Ile Pro Gly Asn
1 5

<210> 259
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of syndecan-2

<400> 259
Lys Glu Phe Tyr Ala
1 5

<210> 260
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of syndecan-2

<400> 260
Thr Lys Glu Phe Tyr Ala
1 5

<210> 261
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of syndecan-2

<400> 261
Pro Thr Lys Glu Phe Tyr Ala
1 5

<210> 262
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of syndecan-2

<400> 262
Ala Pro Thr Lys Glu Phe Tyr Ala
1 5

<210> 263
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of NMDA

<400> 263
Glu Ser Asp Val
1

<210> 264
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of NMDA

<400> 264
Ile Glu Ser Asp Val
1 5

<210> 265
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of NMDA

<400> 265
Ser Ile Glu Ser Asp Val
1 5

<210> 266
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of NMDA

<400> 266
Pro Ser Ile Glu Ser Asp Val
1 5

<210> 267
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of NMDA

<400> 267
Met Pro Ser Ile Glu Ser Asp Val
1 5

<210> 268
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of neurexin

<400> 268
Glu Tyr Tyr Val
1

<210> 269
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of neurexin

<400> 269
Lys Glu Tyr Tyr Val
1 5

<210> 270
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of neurexin

<400> 270
Asp Lys Glu Tyr Tyr Val
1 5

<210> 271
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of neurexin

<400> 271
Lys Asp Lys Glu Tyr Tyr Val
1 5

<210> 272
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of neurexin

<400> 272
Asn Lys Asp Lys Glu Tyr Tyr Val
1 5

<210> 273
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of glycophorin C

<400> 273
Glu Tyr Phe Ile
1

<210> 274
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of glycophorin C

<400> 274
Lys Glu Tyr Phe Ile
1 5

<210> 275
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of glycophorin C

<400> 275
Arg Lys Glu Tyr Phe Ile
1 5

<210> 276
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of glycophorin C

<400> 276
Ser Arg Lys Glu Tyr Phe Ile
1 5

<210> 277
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of glycophorin C

<400> 277
Ser Ser Arg Lys Glu Tyr Phe Ile
1 5

<210> 278
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal core sequence of CD148

<400> 278
Lys Thr Ile Ala
1

<210> 279
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD148

<400> 279
Gly Lys Thr Ile Ala
1 5

<210> 280
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD148

<400> 280
Phe Gly Lys Thr Ile Ala
1 5

<210> 281
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD148

<400> 281
Thr Phe Gly Lys Thr Ile Ala
1 5

<210> 282
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD148

<400> 282
Thr Thr Phe Gly Lys Thr Ile Ala
1 5

<210> 283
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> CC CKR-2 PDZ ligand

<400> 283
Lys Glu Gly Ala
1

<210> 284
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> CLASP-1 PDZ ligand

<400> 284
Ser Ala Glu Val
1

<210> 285
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> CD5 PDZ ligand

<400> 285
Ala Gln Arg Leu
1

<210> 286
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> CC CKR-4 PDZ ligand

<400> 286
His Asp Ala Leu
1

<210> 287
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> CC CKR-1R PDZ ligand

<400> 287
Ser Ala Gly Phe
1

<210> 288
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> CC CKR-3 PDZ ligand

<400> 288
Ser Ile Val Phe
1

<210> 289
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Tat peptide

<400> 289
Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly
1 5 10

<210> 290
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> MBPAc1-16 peptide

<221> MOD_RES
<222> (1)...(1)
<223> Xaa = N-acetyl alanine

<400> 290
Xaa Ser Gln Lys Arg Pro Ser Gln Arg His Gly Ser Lys Tyr Leu Ala
1 5 10 15

<210> 291
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> PL motif, PDZ domain binding motif, C-terminal sequence of CD105

<400> 291
Cys Ser Thr Ser Ser Met Ala
1 5

<210> 292
<211> 96
<212> PRT
<213> Artificial Sequence

<220>
<223> CASK PDZ domain 1

<400> 292
His Val Thr Arg Val Arg Leu Val Gln Phe Gln Lys Asn Thr Asp Glu
1 5 10 15
Pro Met Gly Ile Thr Leu Lys Met Asn Glu Leu Asn His Cys Ile Val
20 25 30
Ala Arg Ile Met His Gly Gly Met Ile His Arg Gln Gly Thr Leu His
35 40 45
Val Gly Asp Glu Ile Arg Glu Ile Asn Gly Ile Ser Val Ala Asn Gln
50 55 60
Thr Val Glu Gln Leu Gln Lys Met Leu Arg Glu Met Arg Gly Ser Ile
65 70 75 80
Thr Phe Lys Ile Val Pro Ser Tyr Arg Thr Gln Ser Leu Asn Ser Ser
85 90 95

<210> 293
<211> 93
<212> PRT
<213> Artificial Sequence

<220>
<223> MPP1 55 Kd erythrocyte membrane protein PDZ domain 1

<400> 293
Arg Lys Val Arg Leu Ile Gln Phe Glu Lys Val Thr Glu Glu Pro Met
1 5 10 15
Gly Ile Thr Leu Lys Leu Asn Glu Lys Gln Ser Cys Thr Val Ala Arg
20 25 30
Ile Leu His Gly Gly Met Ile His Arg Gln Gly Ser Leu His Val Gly
35 40 45
Asp Glu Ile Leu Glu Ile Asn Gly Thr Asn Val Thr Asn His Ser Val
50 55 60
Asp Gln Leu Gln Lys Ala Met Lys Glu Thr Lys Gly Met Ile Ser Leu
65 70 75 80
Lys Val Ile Pro Asn Gln Arg Glu Phe Ile Val Thr Asp
85 90

<210> 294
<211> 208
<212> PRT
<213> Artificial Sequence

<220>
<223> DLG1 human homolog of Drosophila discs large protein PDZ domains 1 and 2

<400> 294
Gln Val Asn Gly Thr Asp Ala Asp Tyr Glu Tyr Glu Glu Ile Thr Leu
1 5 10 15
Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly Thr Asp
20 25 30
Asn Pro His Ile Gly Asp Asp Ser Ser Ile Phe Ile Thr Lys Ile Ile
35 40 45
Thr Gly Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val Asn Asp Cys
50 55 60
Ile Leu Gln Val Asn Glu Val Asp Val Arg Asp Val Thr His Ser Lys
65 70 75 80

```
Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg Leu Tyr Val
                85                  90                  95
Lys Arg Arg Lys Pro Val Ser Glu Lys Ile Met Glu Ile Lys Leu Ile
            100                 105                 110
Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly Val Gly Asn
        115                 120                 125
Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys Ile Ile Glu
    130                 135                 140
Gly Gly Ala Ala His Lys Asp Gly Lys Leu Gln Ile Gly Asp Lys Leu
145                 150                 155                 160
Leu Ala Val Asn Asn Val Cys Leu Glu Glu Val Thr His Glu Glu Ala
                165                 170                 175
Val Thr Ala Leu Lys Asn Thr Ser Asp Phe Val Tyr Leu Lys Val Ala
            180                 185                 190
Lys Pro Thr Ser Met Tyr Met Asn Asp Gly Tyr Ala Pro Asn Ser Ser
        195                 200                 205
```

<210> 295
<211> 344
<212> PRT
<213> Artificial Sequence

<220>
<223> PSD95 human post-synaptic density protein PDZ domains 1-3

<400> 295

```
Leu Glu Gly Glu Gly Glu Met Glu Tyr Glu Glu Ile Thr Leu Glu Arg
 1               5                  10                  15
Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly Thr Asp Asn Pro
            20                  25                  30
His Ile Gly Asp Asp Pro Ser Ile Phe Ile Thr Lys Ile Ile Pro Gly
        35                  40                  45
Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val Asn Asp Ser Ile Leu
    50                  55                  60
Phe Val Asn Glu Val Asp Val Arg Glu Val Thr His Ser Ala Ala Val
65                  70                  75                  80
Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg Leu Tyr Val Met Arg
                85                  90                  95
Arg Lys Pro Pro Ala Glu Lys Val Met Glu Ile Lys Leu Ile Lys Gly
            100                 105                 110
Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly Val Gly Asn Gln His
        115                 120                 125
Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys Ile Ile Glu Gly Gly
    130                 135                 140
Ala Ala His Lys Asp Gly Arg Leu Gln Ile Gly Asp Lys Ile Leu Ala
145                 150                 155                 160
Val Asn Ser Val Gly Leu Glu Asp Val Met His Glu Asp Ala Val Ala
                165                 170                 175
Ala Leu Lys Asn Thr Tyr Asp Val Val Tyr Leu Lys Val Ala Lys Pro
            180                 185                 190
Ser Asn Ala Tyr Leu Ser Asp Ser Tyr Ala Pro Pro Asp Ile Thr Thr
        195                 200                 205
Ser Tyr Ser Gln His Leu Asp Asn Glu Ile Ser His Ser Ser Tyr Leu
    210                 215                 220
Gly Thr Asp Tyr Pro Thr Ala Met Thr Pro Thr Ser Pro Arg Arg Tyr
225                 230                 235                 240
Ser Pro Val Ala Lys Asp Leu Leu Gly Glu Glu Asp Ile Pro Arg Glu
                245                 250                 255
Pro Arg Arg Ile Val Ile His Arg Gly Ser Thr Gly Leu Gly Phe Asn
            260                 265                 270
```

```
Ile Val Gly Gly Glu Asp Gly Glu Gly Ile Phe Ile Ser Phe Ile Leu
        275                 280                 285
Ala Gly Gly Pro Ala Asp Leu Ser Gly Glu Leu Arg Lys Gly Asp Gln
    290                 295                 300
Ile Leu Ser Val Asn Gly Val Asp Leu Arg Asn Ala Ser His Glu Gln
305                 310                 315                 320
Ala Ala Ile Ala Leu Lys Asn Ala Gly Gln Thr Val Thr Ile Ile Ala
                325                 330                 335
Gln Tyr Lys Pro Glu Phe Ile Val
            340
```

<210> 296
<211> 189
<212> PRT
<213> Artificial Sequence

<220>
<223> NeDLG presynaptic protein sao102 (neuroendocrine dlg) PDZ domains 1-2

<400> 296

```
Gln Tyr Glu Glu Ile Val Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe
 1               5                  10                  15
Ser Ile Ala Gly Gly Ile Asp Asn Pro His Val Pro Asp Asp Pro Gly
            20                  25                  30
Ile Phe Ile Thr Lys Ile Ile Pro Gly Gly Ala Ala Ala Met Asp Gly
        35                  40                  45
Arg Leu Gly Val Asn Asp Cys Val Leu Arg Val Asn Glu Val Glu Val
    50                  55                  60
Ser Glu Val Val His Ser Arg Ala Val Glu Ala Leu Lys Glu Ala Gly
65                  70                  75                  80
Pro Val Val Arg Leu Val Val Arg Arg Arg Gln Pro Pro Pro Glu Thr
                85                  90                  95
Ile Met Glu Val Asn Leu Leu Lys Gly Pro Lys Gly Leu Gly Phe Ser
            100                 105                 110
Ile Ala Gly Gly Ile Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile
        115                 120                 125
Tyr Ile Thr Lys Ile Ile Glu Gly Gly Ala Ala Gln Lys Asp Gly Arg
    130                 135                 140
Leu Gln Ile Gly Asp Arg Leu Leu Ala Val Asn Asn Thr Asn Leu Gln
145                 150                 155                 160
Asp Val Arg His Glu Glu Ala Val Ala Ser Leu Lys Asn Thr Ser Asp
                165                 170                 175
Met Val Tyr Leu Lys Val Ala Lys Pro Gly Ser Pro Arg
            180                 185
```

<210> 297
<211> 97
<212> PRT
<213> Artificial Sequence

<220>
<223> TAX33 tax interaction protein 33 PDZ domain 1

<400> 297

```
His Ser His Pro Arg Val Val Glu Leu Pro Lys Thr Asp Glu Gly Leu
 1               5                  10                  15
Gly Phe Asn Val Met Gly Gly Lys Glu Gln Asn Ser Pro Ile Tyr Ile
            20                  25                  30
Ser Arg Ile Ile Pro Gly Gly Val Ala Glu Arg His Gly Gly Leu Lys
        35                  40                  45
```

```
Arg Gly Asp Gln Leu Leu Ser Val Asn Gly Val Ser Val Glu Gly Glu
    50                  55                  60
His His Glu Lys Ala Val Glu Leu Leu Lys Ala Ala Lys Asp Ser Val
65                  70                  75                  80
Lys Leu Val Val Arg Tyr Thr Pro Lys Val Leu Glu Phe Ile Val Thr
                85                  90                  95
Asn
```

<210> 298
<211> 97
<212> PRT
<213> Artificial Sequence

<220>
<223> SYN 1 alpha alpha1-syntrophin PDZ domain 1

<400> 298

```
Gln Arg Arg Arg Val Thr Val Arg Lys Ala Asp Ala Gly Gly Leu Gly
 1               5                  10                  15
Ile Ser Ile Lys Gly Gly Arg Glu Asn Lys Met Pro Ile Leu Ile Ser
            20                  25                  30
Lys Ile Phe Lys Gly Leu Ala Ala Asp Gln Thr Glu Ala Leu Phe Val
        35                  40                  45
Gly Asp Ala Ile Leu Ser Val Asn Gly Glu Asp Leu Ser Ser Ala Thr
    50                  55                  60
His Asp Glu Ala Val Gln Val Leu Lys Lys Thr Gly Lys Glu Val Val
65                  70                  75                  80
Leu Glu Val Lys Tyr Met Lys Asp Val Ser Pro Tyr Phe Lys Asn Ser
                85                  90                  95
Ser
```

<210> 299
<211> 78
<212> PRT
<213> Artificial Sequence

<220>
<223> TAX43 human tax interaction protein 43 PDZ domain 1

<400> 299

```
Gln Lys Arg Gly Val Lys Val Leu Lys Gln Glu Leu Gly Gly Leu Gly
 1               5                  10                  15
Ile Ser Ile Lys Gly Gly Lys Glu Asn Lys Met Pro Ile Leu Ile Ser
            20                  25                  30
Lys Ile Phe Lys Gly Leu Ala Ala Asp Gln Thr Gln Ala Leu Tyr Val
        35                  40                  45
Gly Asp Ala Ile Leu Ser Val Asn Gly Ala Asp Leu Arg Asp Ala Thr
    50                  55                  60
His Asp Glu Ala Val Gln Ala Leu Gln Phe Ile Val Thr Asn
65                  70                  75
```

<210> 300
<211> 46
<212> PRT
<213> Artificial Sequence

<220>
<223> LDP lim domain protein clp-36 PDZ domain 1

<400> 300
Arg Gly Met Thr Thr Gln Gln Ile Asp Leu Gln Gly Pro Gly Pro Trp
1 5 10 15
Gly Phe Arg Leu Val Gly Arg Lys Asp Phe Glu Gln Pro Leu Ala Ile
20 25 30
Ser Arg Val Thr Pro Gly Ser Lys Ala Ala Leu Ala Ser Ser
35 40 45

<210> 301
<211> 86
<212> PRT
<213> Artificial Sequence

<220>
<223> LIM human LIM protein PDZ domain 1

<400> 301
Leu Ser Asn Tyr Ser Val Ser Leu Val Gly Pro Ala Pro Trp Gly Phe
1 5 10 15
Arg Leu Gln Gly Gly Lys Asp Phe Asn Met Pro Leu Thr Ile Ser Ser
20 25 30
Leu Lys Asp Gly Gly Lys Ala Ala Gln Ala Asn Val Arg Ile Gly Asp
35 40 45
Val Val Leu Ser Ile Asp Gly Ile Asn Ala Gln Gly Met Thr His Leu
50 55 60
Glu Ala Gln Asn Lys Ile Lys Gly Cys Thr Gly Ser Leu Asn Met Thr
65 70 75 80
Leu Gln Arg Ala Ser Cys
85

<210> 302
<211> 102
<212> PRT
<213> Artificial Sequence

<220>
<223> LIMK1 human LIM domain kinase 1 PDZ domain 1

<400> 302
Thr Val Thr Leu Val Ser Ile Pro Ala Ser Ser His Gly Lys Arg Gly
1 5 10 15
Leu Ser Val Ser Ile Asp Pro Pro His Gly Pro Pro Gly Cys Gly Thr
20 25 30
Glu His Ser His Thr Val Arg Val Gln Gly Val Asp Pro Gly Cys Met
35 40 45
Ser Pro Asp Val Lys Asn Ser Ile His Val Gly Asp Arg Ile Leu Glu
50 55 60
Ile Asn Gly Thr Pro Ile Arg Asn Val Pro Leu Asp Glu Ile Asp Leu
65 70 75 80
Leu Ile Gln Glu Thr Ser Arg Leu Leu Gln Leu Thr Leu Glu His Asp
85 90 95
Pro Gly Ile His Arg Asp
100

<210> 303
<211> 97
<212> PRT
<213> Artificial Sequence

<220>
<223> LIMK2 human LIM domain kinase 2 PDZ domain 1

<400> 303
Pro Tyr Ser Val Thr Leu Ile Ser Met Pro Ala Thr Thr Glu Gly Arg
1 5 10 15
Arg Gly Phe Ser Val Ser Val Glu Ser Ala Cys Ser Asn Tyr Ala Thr
20 25 30
Thr Val Gln Val Lys Glu Val Asn Arg Met His Ile Ser Pro Asn Asn
35 40 45
Arg Asn Ala Ile His Pro Gly Asp Arg Ile Leu Glu Ile Asn Gly Thr
50 55 60
Pro Val Arg Thr Leu Arg Val Glu Glu Val Glu Asp Ala Ile Ser Gln
65 70 75 80
Thr Ser Gln Thr Leu Gln Leu Leu Ile Glu His Glu Phe Ile Val Thr
85 90 95
Asn

<210> 304
<211> 96
<212> PRT
<213> Artificial Sequence

<220>
<223> MPP2 maguk p55 subfamily member 2 (DLG2) PDZ domain 1

<400> 304
Gln Pro Val Pro Pro Asp Ala Val Arg Met Val Gly Ile Arg Lys Thr
1 5 10 15
Ala Gly Glu His Leu Gly Val Thr Phe Arg Val Glu Gly Gly Glu Leu
20 25 30
Val Ile Ala Arg Ile Leu His Gly Gly Met Val Ala Gln Gln Gly Leu
35 40 45
Leu His Val Gly Asp Ile Ile Lys Glu Val Asn Gly Gln Pro Val Gly
50 55 60
Ser Asp Pro Arg Ala Leu Gln Glu Leu Leu Arg Asn Ala Ser Gly Ser
65 70 75 80
Val Ile Leu Lys Ile Leu Pro Asn Tyr Gln Val Phe Ile Val Thr Asp
85 90 95

<210> 305
<211> 96
<212> PRT
<213> Artificial Sequence

<220>
<223> NOS1 human neuronal nitric oxide synthase PDZ domain 1

<400> 305
Ile Gln Pro Asn Val Ile Ser Val Arg Leu Phe Lys Arg Lys Val Gly
1 5 10 15
Gly Leu Gly Phe Leu Val Lys Glu Arg Val Ser Lys Pro Pro Val Ile
20 25 30
Ile Ser Asp Leu Ile Arg Gly Gly Ala Ala Glu Gln Ser Gly Leu Ile
35 40 45
Gln Ala Gly Asp Ile Ile Leu Ala Val Asn Gly Arg Pro Leu Val Asp
50 55 60
Leu Ser Tyr Asp Ser Ala Leu Glu Val Leu Arg Gly Ile Ala Ser Glu
65 70 75 80
Thr His Val Val Leu Ile Leu Arg Gly Pro Glu Phe Ile Val Thr Asp
85 90 95

<210> 306
<211> 99
<212> PRT
<213> Artificial Sequence

<220>
<223> AF6 af-6 protein PDZ domain 1

<400> 306
Leu Arg Lys Glu Pro Glu Ile Ile Thr Val Thr Leu Lys Lys Gln Asn
1 5 10 15
Gly Met Gly Leu Ser Ile Val Ala Ala Lys Gly Ala Gly Gln Asp Lys
20 25 30
Leu Gly Ile Tyr Val Lys Ser Val Val Lys Gly Gly Ala Ala Asp Val
35 40 45
Asp Gly Arg Leu Ala Ala Gly Asp Gln Leu Leu Ser Val Asp Gly Arg
50 55 60
Ser Leu Val Gly Leu Ser Gln Glu Arg Ala Ala Glu Leu Met Thr Arg
65 70 75 80
Thr Ser Ser Val Val Thr Leu Glu Val Ala Lys Gln Gly Glu Phe Ile
85 90 95
Val Thr Asp

<210> 307
<211> 95
<212> PRT
<213> Artificial Sequence

<220>
<223> PTN-4 protein-tyrosine phosphatase meg1 PDZ domain 1

<400> 307
Leu Ile Arg Met Lys Pro Asp Glu Asn Gly Arg Phe Gly Phe Asn Val
1 5 10 15
Lys Gly Gly Tyr Asp Gln Lys Met Pro Val Ile Val Ser Arg Val Ala
20 25 30
Pro Gly Thr Pro Ala Asp Leu Cys Val Pro Arg Leu Asn Glu Gly Asp
35 40 45
Gln Val Val Leu Ile Asn Gly Arg Asp Ile Ala Glu His Thr His Asp
50 55 60
Gln Val Val Leu Phe Ile Lys Ala Ser Cys Glu Arg His Ser Gly Glu
65 70 75 80
Leu Met Leu Leu Val Arg Pro Asn Ala Glu Phe Ile Val Thr Asp
85 90 95

<210> 308
<211> 219
<212> PRT
<213> Artificial Sequence

<220>
<223> prIL16 putative interleukin 16 precursor PDZ domain 1-2

<400> 308
His Val Thr Ile Leu His Lys Glu Glu Gly Ala Gly Leu Gly Phe Ser
1 5 10 15
Leu Ala Gly Gly Ala Asp Leu Glu Asn Lys Val Ile Thr Val His Arg
20 25 30

```
Val Phe Pro Asn Gly Leu Ala Ser Gln Glu Gly Thr Ile Gln Lys Gly
        35                  40                  45
Asn Glu Val Leu Ser Ile Asn Gly Lys Ser Leu Lys Gly Thr Thr His
    50                  55                  60
His Asp Ala Leu Ala Ile Leu Arg Gln Ala Arg Glu Pro Arg Gln Ala
65                  70                  75                  80
Val Ile Val Thr Arg Lys Leu Thr Pro Glu Ala Met Pro Asp Leu Asn
                85                  90                  95
Ser Ser Thr Asp Ser Ala Ala Ser Ala Ser Ala Ala Ser Asp Val Ser
            100                 105                 110
Val Glu Ser Thr Ala Glu Ala Thr Val Cys Thr Val Thr Leu Glu Lys
        115                 120                 125
Met Ser Ala Gly Leu Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu
    130                 135                 140
His Gly Asp Lys Pro Leu Thr Ile Asn Arg Ile Phe Lys Gly Ala Ala
145                 150                 155                 160
Ser Glu Gln Ser Glu Thr Val Gln Pro Gly Asp Glu Ile Leu Gln Leu
                165                 170                 175
Gly Gly Thr Ala Met Gln Gly Leu Thr Arg Phe Glu Ala Trp Asn Ile
            180                 185                 190
Ile Lys Ala Leu Pro Asp Gly Pro Val Thr Ile Val Ile Arg Arg Lys
        195                 200                 205
Ser Leu Gln Ser Lys Glu Phe Ile Val Thr Asp
    210                 215

      <210> 309
      <211> 86
      <212> PRT
      <213> Artificial Sequence

      <220>
      <223> 41.8 kD hypothetical 41.8 kD protein PDZ domain 1

      <400> 309
Arg Asp Ser Gly Ala Met Leu Gly Leu Lys Val Val Gly Gly Lys Met
 1                5                  10                  15
Thr Glu Ser Gly Arg Leu Cys Ala Phe Ile Thr Lys Val Lys Lys Gly
            20                  25                  30
Ser Leu Ala Asp Thr Val Gly His Leu Arg Pro Gly Asp Glu Val Leu
        35                  40                  45
Glu Trp Asn Gly Arg Leu Leu Gln Gly Ala Thr Phe Glu Glu Val Tyr
    50                  55                  60
Asn Ile Ile Leu Glu Ser Lys Pro Glu Pro Gln Val Glu Leu Val Val
65                  70                  75                  80
Ser Arg Ala Asn Ser Ser
                85

      <210> 310
      <211> 109
      <212> PRT
      <213> Artificial Sequence

      <220>
      <223> K559 KIAA0559 PDZ domain 1

      <400> 310
His Tyr Ile Phe Pro His Ala Arg Ile Lys Ile Thr Arg Asp Ser Lys
 1                5                  10                  15
Asp His Thr Val Ser Gly Asn Gly Leu Gly Ile Arg Ile Val Gly Gly
            20                  25                  30
```

```
Lys Glu Ile Pro Gly His Ser Gly Glu Ile Gly Ala Tyr Ile Ala Lys
        35                  40                  45
Ile Leu Pro Gly Gly Ser Ala Glu Gln Thr Gly Lys Leu Met Glu Gly
    50                  55                  60
Met Gln Val Leu Glu Trp Asn Gly Ile Pro Leu Thr Ser Lys Thr Tyr
65                  70                  75                  80
Glu Glu Val Gln Ser Ile Ile Ser Gln Gln Ser Gly Glu Ala Glu Ile
                85                  90                  95
Cys Val Arg Leu Asp Leu Asn Met Leu Ser Asn Ser Ser
            100                 105
```

<210> 311
<211> 73
<212> PRT
<213> Artificial Sequence

<220>
<223> RGS12 human regulator of G-protein signalling 12 PDZ domain 1

<400> 311

```
Pro Pro Pro Arg Val Arg Ser Val Glu Val Ala Arg Gly Arg Ala Gly
 1               5                  10                  15
Tyr Gly Phe Thr Leu Ser Gly Gln Ala Pro Cys Val Leu Ser Cys Val
            20                  25                  30
Met Arg Gly Ser Pro Ala Asp Phe Val Gly Leu Arg Ala Gly Asp Gln
        35                  40                  45
Ile Leu Ala Val Asn Glu Ile Asn Val Lys Lys Ala Ser His Glu Asp
    50                  55                  60
Val Val Lys Leu Ile Gly Asn Ser Ser
65                  70
```

<210> 312
<211> 92
<212> PRT
<213> Artificial Sequence

<220>
<223> K316 KIAA0316 PDZ domain 1

<400> 312

```
Pro Pro Ala Pro Arg Lys Val Glu Met Arg Arg Asp Pro Val Leu Gly
 1               5                  10                  15
Phe Gly Phe Val Ala Gly Ser Glu Lys Pro Val Val Val Arg Ser Val
            20                  25                  30
Thr Pro Gly Gly Pro Ser Glu Gly Lys Leu Ile Pro Gly Asp Gln Ile
        35                  40                  45
Val Met Ile Asn Asp Glu Pro Val Ser Ala Ala Pro Arg Glu Arg Val
    50                  55                  60
Ile Asp Leu Val Arg Ser Cys Lys Glu Ser Ile Leu Leu Thr Val Ile
65                  70                  75                  80
Gln Pro Tyr Pro Ser Pro Lys Ile Arg Asn Ser Ser
                85                  90
```

<210> 313
<211> 103
<212> PRT
<213> Artificial Sequence

<220>
<223> DVL1 human dishevelled segment polarity protein homolog PDZ domain 1

<400> 313
Gln Ser Thr Val Leu Asn Ile Val Thr Val Thr Leu Asn Met Glu Arg
1 5 10 15
His His Phe Leu Gly Ile Ser Ile Val Gly Gln Ser Asn Asp Arg Gly
20 25 30
Asp Gly Gly Ile Tyr Ile Gly Ser Ile Met Lys Gly Gly Ala Val Ala
35 40 45
Ala Asp Gly Arg Ile Glu Pro Gly Asp Met Leu Leu Gln Val Asn Asp
50 55 60
Val Asn Phe Glu Asn Met Ser Asn Asp Asp Ala Val Arg Val Leu Arg
65 70 75 80
Glu Ile Val Ser Gln Thr Gly Pro Ile Ser Leu Thr Val Ala Lys Cys
85 90 95
Trp Glu Phe Ile Val Thr Asp
100

<210> 314
<211> 106
<212> PRT
<213> Artificial Sequence

<220>
<223> TAX40 human tax interaction protein 40 PDZ domain 1

<400> 314
Leu Leu Pro Glu Thr His Arg Arg Val Arg Leu His Lys His Gly Ser
1 5 10 15
Asp Arg Pro Leu Gly Phe Tyr Ile Arg Asp Gly Met Ser Val Arg Val
20 25 30
Ala Pro Gln Gly Leu Glu Arg Val Pro Gly Ile Phe Ile Ser Arg Leu
35 40 45
Val Arg Gly Gly Leu Ala Glu Ser Thr Gly Leu Leu Ala Val Ser Asp
50 55 60
Glu Ile Leu Glu Val Asn Gly Ile Glu Val Ala Gly Lys Thr Leu Asp
65 70 75 80
Gln Val Thr Asp Met Met Val Ala Asn Ser His Asn Leu Ile Val Thr
85 90 95
Val Lys Pro Ala Asn Gln Ala Asn Ser Ser
100 105

<210> 315
<211> 94
<212> PRT
<213> Artificial Sequence

<220>
<223> TIAM1 T-lymphoma invasion and metastasis inducing protein 1 PDZ domain 1

<400> 315
His Ser Ile His Ile Glu Lys Ser Asp Thr Ala Ala Asp Thr Tyr Gly
1 5 10 15
Phe Ser Leu Ser Ser Val Glu Glu Asp Gly Ile Arg Arg Leu Tyr Val
20 25 30
Asn Ser Val Lys Glu Thr Gly Leu Ala Ser Lys Lys Gly Leu Lys Ala
35 40 45

```
Gly Asp Glu Ile Leu Glu Ile Asn Asn Arg Ala Ala Asp Ala Leu Asn
    50                  55                  60
Ser Ser Met Leu Lys Asp Phe Leu Ser Gln Pro Ser Leu Gly Leu Leu
65                  70                  75                  80
Val Arg Thr Tyr Pro Glu Leu Glu Glu Phe Ile Val Thr Asp
                85                  90
```

<210> 316
<211> 181
<212> PRT
<213> Artificial Sequence

<220>
<223> MINT1 human X11 protein PDZ domains 1-2

<400> 316

```
Ser Glu Asn Cys Lys Asp Val Phe Ile Glu Lys Gln Lys Gly Glu Ile
 1               5                  10                  15
Leu Gly Val Val Ile Val Glu Ser Gly Trp Gly Ser Ile Leu Pro Thr
            20                  25                  30
Val Ile Ile Ala Asn Met Met His Gly Gly Pro Ala Glu Lys Ser Gly
        35                  40                  45
Lys Leu Asn Ile Gly Asp Gln Ile Met Ser Ile Asn Gly Thr Ser Leu
    50                  55                  60
Val Gly Leu Pro Leu Ser Thr Cys Gln Ser Ile Ile Lys Gly Leu Glu
65                  70                  75                  80
Asn Gln Ser Arg Val Lys Leu Asn Ile Val Arg Cys Pro Pro Val Thr
                85                  90                  95
Thr Val Leu Ile Arg Arg Pro Asp Leu Arg Tyr Gln Leu Gly Phe Ser
            100                 105                 110
Val Gln Asn Gly Ile Ile Cys Ser Leu Met Arg Gly Gly Ile Ala Glu
        115                 120                 125
Arg Gly Gly Val Arg Val Gly His Arg Ile Ile Glu Ile Asn Gly Gln
    130                 135                 140
Ser Val Val Ala Thr Pro His Glu Lys Ile Val His Ile Leu Ser Asn
145                 150                 155                 160
Ala Val Gly Glu Ile His Met Lys Thr Met Pro Ala Ala Met Tyr Arg
                165                 170                 175
Leu Leu Asn Ser Ser
            180
```

<210> 317
<211> 97
<212> PRT
<213> Artificial Sequence

<220>
<223> K303 KIAA0303 PDZ domain 1

<400> 317

```
Pro His Gln Pro Ile Val Ile His Ser Ser Gly Lys Asn Tyr Gly Phe
 1               5                  10                  15
Thr Ile Arg Ala Ile Arg Val Tyr Val Gly Asp Ser Asp Ile Tyr Thr
            20                  25                  30
Val His His Ile Val Trp Asn Val Glu Glu Gly Ser Pro Ala Cys Gln
        35                  40                  45
Ala Gly Leu Lys Ala Gly Asp Leu Ile Thr His Ile Asn Gly Glu Pro
    50                  55                  60
Val His Gly Leu Val His Thr Glu Val Ile Glu Leu Leu Leu Lys Ser
65                  70                  75                  80
```

```
Gly Asn Lys Val Ser Ile Thr Thr Thr Pro Phe Glu Phe Ile Val Thr
                85                  90                  95
Asp


      <210> 318
      <211> 95
      <212> PRT
      <213> Artificial Sequence

      <220>
      <223> CBP cytohesin binding protein HE PDZ domain 1

      <400> 318
Gln Arg Lys Leu Val Thr Val Glu Lys Gln Asp Asn Glu Thr Phe Gly
 1               5                  10                  15
Phe Glu Ile Gln Ser Tyr Arg Pro Gln Asn Gln Asn Ala Cys Ser Ser
            20                  25                  30
Glu Met Phe Thr Leu Ile Cys Lys Ile Gln Glu Asp Ser Pro Ala His
        35                  40                  45
Cys Ala Gly Leu Gln Ala Gly Asp Val Leu Ala Asn Ile Asn Gly Val
    50                  55                  60
Ser Thr Glu Gly Phe Thr Tyr Lys Gln Val Val Asp Leu Ile Arg Ser
65                  70                  75                  80
Ser Gly Asn Leu Leu Thr Ile Glu Thr Leu Asn Gly Asn Ser Ser
                85                  90                  95

      <210> 319
      <211> 48
      <212> PRT
      <213> Artificial Sequence

      <220>
      <223> human MINT3 PDZ domain 1

      <400> 319
Pro Val Thr Thr Ala Ile Ile His Arg Pro His Ala Arg Glu Gln Leu
 1               5                  10                  15
Gly Phe Cys Val Glu Asp Gly Ile Val Arg Pro Arg Pro Leu Ala Pro
            20                  25                  30
Gly Trp Gly Gly Arg Ala Ala Leu Ser Thr Glu Phe Ile Val Thr Asp
        35                  40                  45

      <210> 320
      <211> 92
      <212> PRT
      <213> Artificial Sequence

      <220>
      <223> TAX2 human tax interaction protein 2 PDZ domain 1

      <400> 320
Arg Lys Glu Val Glu Val Phe Lys Ser Glu Asp Ala Leu Gly Leu Thr
 1               5                  10                  15
Ile Thr Asp Asn Gly Ala Gly Tyr Ala Phe Ile Lys Arg Ile Lys Glu
            20                  25                  30
Gly Ser Val Ile Asp His Ile His Leu Ile Ser Val Gly Asp Met Ile
        35                  40                  45
Glu Ala Ile Asn Gly Gln Ser Leu Leu Gly Cys Arg His Tyr Glu Val
    50                  55                  60
```

Ala Arg Leu Leu Lys Glu Leu Pro Arg Gly Arg Thr Phe Thr Leu Lys
65 70 75 80
Leu Thr Glu Pro Arg Lys Glu Phe Ile Val Thr Asp
85 90

<210> 321
<211> 94
<212> PRT
<213> Artificial Sequence

<220>
<223> K561 KIAA0561 PDZ domain 1

<400> 321
Pro Pro Ser Leu Ser Thr Ala Leu Ala Arg Ser Thr Ala Ser Ala Cys
1 5 10 15
Gly Arg Ser Ala Ser Thr Trp Val Ile Ala Thr Ser Thr Leu Cys Thr
20 25 30
Thr Ser Ser Gly Val Trp Arg Thr Glu Ala Pro Pro Arg Arg Arg Ala
35 40 45
Cys Gly Leu Gly Thr Ser Ser Pro Thr Ser Thr Gly Ser Gln Cys Trp
50 55 60
Gly Trp Cys Thr Trp Thr Ser Trp Ser Cys Cys Glx Arg Ala Ala Thr
65 70 75 80
Arg Tyr Pro Cys Gly Pro Gln Pro Trp Arg Ile His Arg Asp
85 90

<210> 322
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> 6CAF forward primer

<400> 322
tcggatccat gtgaccagag ttcgg 25

<210> 323
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> 7CAR reverse primer

<400> 323
tcggaattca gactgagtgc ggta 24

<210> 324
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> 62MPF forward primer

<400> 324
gggatccgga aagtgcgact catac 25

<210> 325
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> 63MPR reverse primer

<400> 325
acggatccgc tggttgggaa ttactt 26

<210> 326
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> 1DF forward primer

<400> 326
tcggatccag gttaatggct cagatg 26

<210> 327
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> 2DR reverse primer

<400> 327
cggaattcgg tgcatagcca tc 22

<210> 328
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> 8PSF forward primer

<400> 328
tcggatcctt gaggggggaga tgga 24

<210> 329
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> 11PSR reverse primer

<400> 329
tcggaattcg ctatactctt ctgg 24

<210> 330
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> 71NEDF forward primer

<400> 330
caggatccaa tatgaggaaa tcgtacttg 29

<210> 331
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> 72NEDR reverse primer

<400> 331
ttgaattcga ggctgcctgg cttggc 26

<210> 332
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 92TAF forward primer

<400> 332
gtgggatcca ctcccaccct cgagtag 27

<210> 333
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> 93TAR reverse primer

<400> 333
catgaattcc agaacttttg ggtgtatcgc 30

<210> 334
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> 124SYF forward primer

<400> 334
tacggatcca gcggccgccg cgtgac 26

<210> 335
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> 125SYR reverse primer

<400> 335
gtagaattct tgaaatacgg tgagac 26

<210> 336
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 97TAF forward primer

<400> 336
tctggatcca gaagcgtggc gtgaagg 27

<210> 337
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> 98TAR reverse primer

<400> 337
cggaattcaa cgcctgcacc gcctc 25

<210> 338
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 146LIF forward primer

<400> 338
ccaggatccg cggaatgacc acccagc 27

<210> 339
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 147LIR reverse primer

<400> 339
catgaattcg ctagagccgc cttgctt 27

<210> 340
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> 182LF forward primer

<400> 340
ttaggatcct gagcaagtac agtgtgtcac 30

<210> 341
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> 183LR reverse primer

<400> 341
cttgaattca gcagatgctc tttgcagagt c 31

<210> 342
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 52LIFP forward primer

<400> 342
ctgcccggga ccgtcaccct ggtgtcc 27

<210> 343
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> 53LIRP reverse primer

<400> 343
tcgcccgggt catgctcgag ggtc 24

<210> 344
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> 185LF forward primer

<400> 344
agcggatccc ctactctgtc acgctcatc 29

<210> 345
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> 186LR reverse primer

<400> 345
gacgaattca tgttcaatca acagctgaag 30

<210> 346
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> 142MF forward primer

<400> 346
tcaggatcca gcctgtacct cccgatgc 28

<210> 347
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> 143MR reverse primer

<400> 347
atggaattcc tggtagttgg gcaggatc 28

<210> 348
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> 155NOF forward primer

<400> 348
agcggatcca gcccaatgtc atttc 25

<210> 349
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> 156NOR reverse primer

<400> 349
gaagaattca gggcccctca gaatg 25

<210> 350
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> 66AFF forward primer

<400> 350
tcggatcctg aggaaagaac ctgaa 25

<210> 351
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> 67AFR reverse primer

<400> 351
tagaattcac cctgctttgc tacttc 26

<210> 352
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 247PTF forward primer

<400> 352
atcggatcct aatcagaatg aaacctg 27

<210> 353
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 248PTR reverse primer

<400> 353
atcgaattca gcattaggtc gaactag 27

<210> 354
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> 75PRF forward primer

<400> 354
acgggatcca tgtcaccatc ttacac 26

<210> 355
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> 76PRR reverse primer

<400> 355
gtgaattcct tggactggag gctttttc 28

<210> 356
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 145HF forward primer

<400> 356
gtgggatccg agattcagga gcaatgc 27

<210> 357
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> 146HR reverse primer

<400> 357
ctggaattcg ccttgaaact acaagttc 28

<210> 358
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 130KIF forward primer

<400> 358
aaaggatcca ctacatcttt cctcacg 27

<210> 359
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> 131KIR reverse primer

<400> 359
tcacaattgg atagcatatt gaggtccag 29

<210> 360
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 64RGF forward primer

<400> 360
tgggatcccg cccccaaggg tgcggag 27

<210> 361
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> 65RGR reverse primer

<400> 361
aggaattccc aattaatttc actac 25

<210> 362
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> 158KIF forward primer

<400> 362
aaaggatccc tccggctcct cggaag 26

<210> 363
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> 159KIR reverse primer

<400> 363
ttagaattct gatttgggag aagggtaag 29

<210> 364
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> 55DVISF 1st PCR forward primer

<400> 364
tcatccagac tcatccggaa g 21

<210> 365
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> 56DVISR 1st PCR reverse primer

<400> 365
gctcatgtca ctcttcaccg 20

<210> 366
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> 37DVF 2nd PCR nested forward primer

<400> 366
tcggatccaa acggtcactc tcaac 25

<210> 367
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> 38DVR 2nd PCR nested reverse primer

<400> 367
tcggaattcc cagcacttgg ctacag 26

<210> 368
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 136TF forward primer

<400> 368
acgggatcct actgcctgag acccacc 27

<210> 369
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> 137TR reverse primer

<400> 369
acggaattcc gctggttggc gggcttgac 29

<210> 370
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> 39TF forward primer

<400> 370
tcggatccac agcatccaca ttgag 25

<210> 371
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> 40TR reverse primer

<400> 371
tcggaattcc tccagctcgg ggt 23

<210> 372
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> 34MIF forward primer

<400> 372
cggaattcgg aaaactgtaa agatg 25

<210> 373
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> 20MR reverse primer

<400> 373
tcggaattca gcagcctgta catcg 25

<210> 374
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> 152KIF forward primer

<400> 374
ctgggatccc acatcagccg attgtga 27

<210> 375
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> 153KIR reverse primer

<400> 375
tgtgaattca aatggggtag tagtgattg 29

<210> 376
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> 235CYF forward primer

<400> 376
cctggatcca aagaaagctt gttactgtg 29

<210> 377
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> 236CYR reverse primer

<400> 377
tcagaattcc attaagagtc tctatc 26

<210> 378
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> 188MF forward primer

<400> 378
actggatccc cgtcaccacc gccatcatc 29

<210> 379
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> 189MR reverse primer

<400> 379
ctcgaattcc gtgctcaggg ccgcccta 28

<210> 380
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> 197 TF forward primer

<400> 380
aggggatccg caaggaggtg gaggtgttc 29

<210> 381
<211> 29
<212> DNA
<213> Artificial Sequence

A31

<220>
<223> 198 TR reverse primer

<400> 381
tgtggaattc cttgcgaggc tccgtgagc 29

<210> 382
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> 161KIF forward primer

<400> 382
cctggatccc cccatcgtta tccacagc 28

<210> 383
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> 162KIR reverse primer

<400> 383
gaggaattct ccagggctgt ggtccg 26